

Claim Amendments

Please cancel, without prejudice or disclaimer, claims 1-4, 6, 10, 11 and 13.

Please amend the claims as follows, with insertions indicated by underlining and deletions by strikethrough.

Claims 1-4 (canceled)

Claim 5 (currently amended) The method of claim 17 ~~4~~, wherein the label is a bar code.

Claim 6 (canceled)

Claim 7 (currently amended) The method of claim 17 ~~6~~, wherein different sample spots contain different detector molecules.

Claim 8 (currently amended) The method of claim 17 ~~6~~, wherein the detector molecules are antibodies.

Claim 9 (currently amended) The method of claim 17 ~~6~~, further comprising exposing the one or more detector molecules to a sample suspected of containing one or more target compounds.

Claim 10 (canceled)

Claim 11 (canceled)

Claim 12 (currently amended) The method of claim 9 ~~or claim 11~~, further comprising detecting the presence of at least one detector molecule:target compound complex.

Claim 13 (canceled)

Claim 14 (original) The method of claim 12, further comprising measuring the amount of light emitted from each calibration spot and each sample spot on the item.

Claim 15 (original) The method of claim 14, further comprising determining the concentration of each target compound in the sample by comparing the light emitted from the sample spots and the calibration spots.

Claim 16 (currently amended) The method of claim ~~17~~ 12, further comprising reading the label and identifying the item.

Claim 17 (currently amended) ~~The method of claim 6;~~ A method comprising:

- a) attaching a luminescent label to an item;
- b) attaching at least one luminescent calibration spot to the item; and
- c) attaching one or more detector molecules to at least one sample spot on the item;

wherein the label, calibration spots and sample spots are attached to the item using an aldehyde cross-linking group.

Claim 18 (original) The method of claim 17, wherein the substrates for the label, calibration spots and samples spots are placed on a platen before transfer to the item.

Claim 19 (original) The method of claim 18, wherein the placement of substrates on the platen is controlled by a computer program.

Claim 20 (currently amended) An item prepared by the method of claim 17.

Claim 21 (original) The item of claim 20, wherein the item is a glass slide.

Claim 22 (original) The item of claim 21, wherein the item is a waveguide.